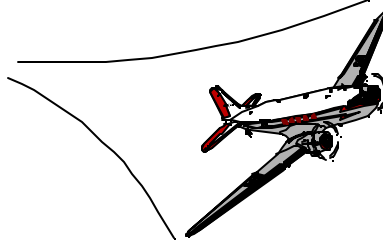


SPECIAL AIRWORTHINESS INFORMATION BULLETIN

Aircraft Certification Service
Washington, DC



U.S. Department
of Transportation

**Federal Aviation
Administration**

No. CE-01-21
April 11, 2001

We post SAIBs on the internet at "av-info.faa.gov"

This is information only. Recommendations are not mandatory.

Introduction

This Special Airworthiness Information Bulletin (SAIB) alerts you, an aircraft owner or operator of service difficulties and safety issues associated with certain Piper PA-18 and PA-19 series airplanes incorporating Supplemental Type Certificate (STC) SA1245CE (Cub Crafters, Inc. Brake Master Cylinder Conversion).

Background

We have received reports of brake system malfunctions, which if left uncorrected could result in fluid loss and excessive wear eventually leading to a failure of the brake system. We believe that the cause of this wear is a fit mismatch between the master cylinder piston and the actuator link.

Recommendation

At the next annual inspection, we recommend that you inspect, repair and install the improved brake piston and link modification kit per the attached Cub Crafters Service Bulletin No. 0001, dated 12/14/2000.

For Further Information Contact

John Sheldon, Seattle Aircraft Certification Office, 1601 Lind Ave. SW, Renton, WA 98055;
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"The Super Cub Specialists!"

CUB CRAFTERS, INC.



SERVICE BULLETIN

No. 0001

Cub Crafters, Inc. Considers Compliance Mandatory December 14, 2000

- Subject:** High Pressure Brake Master Cylinders
- Models Affected:** PA-18 and PA-19 Series using STC #SA1245CE purchased from January 1997 to December 2000.
- Compliance Time :** At the next regularly scheduled inspection not to exceed the next fifty (50) hours time in service.
- Approval:** The technical contents of the Service Bulletin have been approved by the Federal Aviation Administration (FAA).
- Purpose:** Field reports indicate excessive wear or fluid loss in the Cub Crafters, Inc. brake master cylinder. Left uncorrected, this may eventually result in impairment of brake control. Cub Crafters, Inc. has developed an improved brake piston and link modification kit. This Service Bulletin requires the installation of the brake cylinder modification kit which, when installed will remedy the condition described above.
- Instructions:**
1. Remove the forward stick attach bolt and set the stick aside.
 2. Remove the front seat lock pin and remove the front seat assembly.
 3. Remove the master cylinder by removing the (10) screws at the front of the brake pedal assembly. Turn the cylinder slightly to remove the top screw. Remove the brake line from the master cylinder (or the bottom of the parking brake) and remove the master cylinder assembly.
 4. Disconnect parking brake valve and oil filler fitting from the master cylinder. Remove piston and spring.
 5. Inspect the master cylinder for signs of wear. Using 400 grit sandpaper, remove any scuff marks from the bore of the master cylinder. Use 600 grit sandpaper to achieve the final finish in master cylinder bore.
 6. Clean the master cylinder thoroughly and reinstall the spring and new Cub Crafters, Inc. piston. Lube bore and piston with H5606 before assembly.
 7. Reassemble in reverse order of step 1 through 4 using the new link. Seal all threads with Loctite 567 thread sealer. Bleed the brake and check for leaks
- Materials required:** (2) each kit P/N C120755-K
- Availability of Parts:** Cub Crafters will supply C120755-K at no cost if the installation is complete and the replaced parts are returned to Cub Crafters by July 1, 2001.
- Effective Date:** This Service Bulletin is effective December 14, 2000
- Summary:** Please contact Cub Crafters, Inc. (509) 248-9491 to make arrangements for compliance with the Service Bulletin I.A.W. the compliance time indicated.
- NOTE:** If you are no longer in possession of this aircraft, please forward this information to the present owner/operator and notify Cub Crafters, Inc. of the address and ownership corrections. Changes may be directed to Cub Crafters, Inc. PO Box 9823, Yakima, WA 98909 and should include the aircraft registration number, aircraft make/model, aircraft serial number, current name and address of owner/operator.